

**WE CLAIM:**

1. A method of improving combustion efficiency in a combustion device comprising steps of:

introducing a hydrogen-oxygen gas into a mixing device;  
introducing a hydrocarbon into said mixing device with said device,  
mixing said gas with said hydrocarbon into a mixed gas product; and  
feeding said mixed gas product to said combustion device.

2. The method of Claim 1 wherein said hydrogen-oxygen gas is the output from an electrolysis hydrogen generator device.

3. An apparatus for the improved combustion in a combustion device, said apparatus comprising;

an input line for a hydrocarbon;  
an input line for a hydrogen-oxygen gas mixture  
a mixing device wherein said hydrocarbon and hydrogen-oxygen gas mixture are mixed; and  
an output line for delivering said mixed product to said combustion device.

4. The apparatus of Claim 3 wherein said mixing device is a static mixing device.

5. The apparatus of Claim 3 further comprising of a hydrogen generator to generate said hydrogen-oxygen gas.